

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/157,984C
Source: FW16
Date Processed by STIC: 7/20/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER:

09/157,984C

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line. This may occur if your file
 Wrapped Aminos was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will
 prevent "wrapping."

- 2 Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.

- 3 Misaligned Amino The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers;
 Numbering use **space characters**, instead.

- 4 Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. Please
 ensure your subsequent submission is saved in **ASCII** text.

- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. **Per Sequence Rules**,
 each n or Xaa can **only represent a single residue**. Please present the **maximum** number of each
 residue having variable length and indicate in the <220>-<223> section that some may be missing.

- 6 PatentIn 2.0 A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
 "bug" sequences(s) . Normally, PatentIn would automatically generate this section from the
 previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to
 the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for**
 Artificial or Unknown sequences.

- 7 Skipped Sequences Sequence(s) missing. If intentional, please insert the following lines for **each** skipped sequence:
 (OLD RULES) (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES." response to **include** the skipped sequences.

- 8 Skipped Sequences Sequence(s) missing. If **intentional**, please insert the following lines for **each** skipped sequence.
 (NEW RULES) <210> sequence id number
 <400> sequence id number
 000

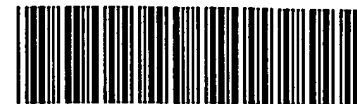
- 9 Use of n's or Xaa's Use of n's and/or Xaa's have been detected in the Sequence Listing.
 (NEW RULES) Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
 In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.

- 10 Invalid <213> Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or
 Response scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or
 is Artificial Sequence

- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or
 "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

- 12 PatentIn 2.0 Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file,
 "bug" resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence
 listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

- 13 Misuse of n/Xaa "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid



IFW16

RAW SEQUENCE LISTING

DATE: 07/20/2005

PATENT APPLICATION: US/09/157,984C

TIME: 11:09:01

Input Set : D:\SEQUENCE LISTING.txt

Output Set: N:\CRF4\07202005\I157984C.raw

3 <110> APPLICANT: Hong Kong University of Science & Technology
 4 Lai, Kwok On
 5 Ip, Nancy Yuk-Yu
 7 <120> TITLE OF INVENTION: CLONING OF A NOVEL NEUROTROPHIN NT-7 FROM CARP
 9 <130> FILE REFERENCE: 32144183-000009
 11 <140> CURRENT APPLICATION NUMBER: 09/157,984C
 12 <141> CURRENT FILING DATE: 1998-09-22
 14 <160> NUMBER OF SEQ ID NOS: 14
 16 <170> SOFTWARE: PatentIn version 3.3
 18 <210> SEQ ID NO: 1
 19 <211> LENGTH: 133
 20 <212> TYPE: PRT
 21 <213> ORGANISM: Cyprinus carpio
 23 <400> SEQUENCE: 1
 25 Lys Ala Asn Asp Phe Leu His Arg Gly Glu Tyr Ser Val Cys Asp Ser
 26 1 5 10 15
 29 Glu Glu His Trp Val Gly Asn Leu Thr Gln Ala Thr Asp Leu Arg Gly
 30 20 25 30
 33 Asn Glu Val Thr Val Leu Pro His Val Arg Ile Asn Asn Val Val Lys
 34 35 40 45
 37 Lys Gln Met Phe Tyr Glu Thr Thr Cys Arg Val Ser Lys Pro Ile Gly
 38 50 55 60
 41 Ala Pro Lys Pro Gly Gln Gly Val Ser Gly Val Lys Ala Gly Thr Ser
 42 65 70 75 80
 45 Ser Cys Arg Gly Ile Asp Asn Glu His Trp Asn Ser Tyr Cys Thr Asn
 46 85 90 95
 49 Val His Thr Phe Val Arg Ala Leu Thr Ser Tyr Lys Asn Gln Ile Ala
 50 100 105 110
 53 Trp Arg Phe Ile Arg Ile Asn Ala Ala Cys Val Cys Val Leu Ser Arg
 54 115 120 125
 57 Asn Ser Trp Arg His
 58 130
 61 <210> SEQ ID NO: 2
 62 <211> LENGTH: 519
 63 <212> TYPE: DNA
 64 <213> ORGANISM: Cyprinus carpio
 66 <400> SEQUENCE: 2
 67 ccaggccccgc gagtcgggcg gaaggccaac gacttcttgc atcgcgggcga gtactctgtg 60
 69 tgtgacagcg aagagcactg ggttggaac ctgacccaag ccacagactt acgggggcaat 120
 71 gaagtcacgg tgctgccaca tgttcgcac aacaacgtgg tgaagaagca gatgttctac 180
 73 gagaccacgt gccgtgtgtc gaagcccatc gggggcccca agccgggtca aggagtcagc 240
 75 ggcgttaaag caggaacctc tagctgtcgt gggatcgaca acgagcactg gaactcttat 300
 77 tgcaccaacg tgcacacctt tgtgcgggcg ttaacgtcct acaaaaacca gattgcctgg 360

Does Not Comply
 Indexed Diskette Needed

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RAW SEQUENCE LISTING

DATE: 07/20/2005

PATENT APPLICATION: US/09/157,984C

TIME: 11:09:01

Input Set : D:\SEQUENCE LISTING.txt

Output Set: N:\CRF4\07202005\I157984C.raw

79 aggttcatcc gaatcaacgc cgcttgcggtg tgcgtcctca gccgcaactc atggaggcat 420
 81 tgactgacat attgtttcag ccaatccact gcagcctcct gtcgtaagcc cctcccaccc 480
 83 atcaataata acaacagccg cactgccaac gttggtgat 519

86 <210> SEQ ID NO: 3

87 <211> LENGTH: 6

88 <212> TYPE: PRT

89 <213> ORGANISM: Artificial

91 <220> FEATURE:

92 <223> OTHER INFORMATION: Peptide

94 <400> SEQUENCE: 3

96 Tyr Ser Val Cys Asp Ser

97 1 5

100 <210> SEQ ID NO: 4

101 <211> LENGTH: 18

102 <212> TYPE: DNA

103 <213> ORGANISM: Artificial

105 <220> FEATURE:

106 <223> OTHER INFORMATION: Oligonucleotide

108 <400> SEQUENCE: 4

109 gtactctgtg tgtgacag

18

112 <210> SEQ ID NO: 5

113 <211> LENGTH: 6

114 <212> TYPE: PRT

115 <213> ORGANISM: Artificial

117 <220> FEATURE:

118 <223> OTHER INFORMATION: Peptide

120 <400> SEQUENCE: 5

122 Ile Asn Ala Ala Cys Val

123 1 5

126 <210> SEQ ID NO: 6

127 <211> LENGTH: 17

128 <212> TYPE: DNA

129 <213> ORGANISM: Artificial

131 <220> FEATURE:

132 <223> OTHER INFORMATION: Oligonucleotide

134 <400> SEQUENCE: 6

135 cacacatgca gcgttga

17

138 <210> SEQ ID NO: 7

139 <211> LENGTH: 17

140 <212> TYPE: DNA

141 <213> ORGANISM: Artificial

143 <220> FEATURE:

144 <223> OTHER INFORMATION: Oligonucleotide

146 <400> SEQUENCE: 7

147 aaatgatacg gggagcc

17

150 <210> SEQ ID NO: 8

151 <211> LENGTH: 17

152 <212> TYPE: DNA

153 <213> ORGANISM: Artificial

*insufficient explanation for 'Artificial Sequence'
 (give source of genetic material)
 (see item 11 on Error Summary sheet)*

RAW SEQUENCE LISTING

DATE: 07/20/2005

PATENT APPLICATION: US/09/157,984C

TIME: 11:09:01

Input Set : D:\SEQUENCE LISTING.txt

Output Set: N:\CRF4\07202005\I157984C.raw

155 <220> FEATURE:
 156 <223> OTHER INFORMATION: Oligonucleotide
 158 <400> SEQUENCE: 8
 159 aaggggcgga gtctcag 17
 162 <210> SEQ ID NO: 9
 163 <211> LENGTH: 19
 164 <212> TYPE: DNA
 165 <213> ORGANISM: Artificial
 167 <220> FEATURE:
 168 <223> OTHER INFORMATION: Oligonucleotide
 170 <400> SEQUENCE: 9
 171 cttagatcgt gtgcccatg 19
 174 <210> SEQ ID NO: 10
 175 <211> LENGTH: 19
 176 <212> TYPE: DNA
 177 <213> ORGANISM: Artificial
 179 <220> FEATURE:
 180 <223> OTHER INFORMATION: Oligonucleotide
 182 <400> SEQUENCE: 10
 183 gggtagagtct tcaatgctg 19
 186 <210> SEQ ID NO: 11
 187 <211> LENGTH: 19
 188 <212> TYPE: DNA
 189 <213> ORGANISM: Artificial
 191 <220> FEATURE:
 192 <223> OTHER INFORMATION: Oligonucleotide
 194 <400> SEQUENCE: 11
 195 ataacgtgga cgtgtgccc 19
 198 <210> SEQ ID NO: 12
 199 <211> LENGTH: 19
 200 <212> TYPE: DNA
 201 <213> ORGANISM: Artificial
 203 <220> FEATURE:
 204 <223> OTHER INFORMATION: Oligonucleotide
 206 <400> SEQUENCE: 12
 207 caagagcggg ccacacctc 19
 210 <210> SEQ ID NO: 13
 211 <211> LENGTH: 6
 212 <212> TYPE: PRT
 213 <213> ORGANISM: Artificial
 215 <220> FEATURE:
 216 <223> OTHER INFORMATION: Peptide
 218 <400> SEQUENCE: 13
 220 Phe Tyr Glu Thr Thr Cys
 221 1 5
 224 <210> SEQ ID NO: 14
 225 <211> LENGTH: 5
 226 <212> TYPE: PRT
 227 <213> ORGANISM: Artificial

RAW SEQUENCE LISTING

DATE: 07/20/2005

PATENT APPLICATION: US/09/157,984C

TIME: 11:09:02

Input Set : D:\SEQUENCE LISTING.txt

Output Set: N:\CRF4\07202005\I157984C.raw

229 <220> FEATURE:

230 <223> OTHER INFORMATION: Peptide

232 <400> SEQUENCE: 14

234 Ala Cys Val Cys Val

235 1 5

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/20/2005
PATENT APPLICATION: US/09/157,984C TIME: 11:09:03

Input Set : D:\SEQUENCE LISTING.txt
Output Set: N:\CRF4\07202005\I157984C.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,4,5,6,7,8,9,10,11,12,13,14

VERIFICATION SUMMARY

DATE: 07/20/2005

PATENT APPLICATION: US/09/157,984C

TIME: 11:09:03

Input Set : D:\SEQUENCE LISTING.txt

Output Set: N:\CRF4\07202005\I157984C.raw